



Chemical composition:

- Balanced Salt Solution (BSS): mixture of salts and inorganic substances with glucose
- Amino acids, amino acid supplementation essential to adding glutamine at 2mM concentration prior to use of the medium
- Vitamins
- Glucose
- Other molecules, lipids, pyruvate, etc ...
- Serum: adding hormones and growth factors. Calf serum (CF), bovine serum, fetal (FCS), horse serum (HS)
- Serum source
- human (HUS).
- Lines without serum grow and other lines that do not grow in the presence of serum concentrations minimum may stimulate or inhibit cell growth.
- antibiotics and antifungal agents, preventing the growth of bacteria and fungi. (penicillin, streptomycin, gentamicin, fungizone, and amphotericin-B)

Defined formulations:

- factors accession
- Protease inhibitors, hormones, factors
- Growth, trace elements: Cu, Se and Fe
- Proteins

Physical properties:

- pH around 7.4 and controlled by CO₂ incubator and buffer substances contained in the medium formulation: HEPES. Culture medium includes phenol red pH indicator.
- osmolarity, which typically ranges generally between 260-320 mOsm / kg.
- Temperature influences the pH
- Viscosity serum concentration
- Surface tension, low to prevent foaming

Presentation:
A sample of the cell lines used, in the molecular biology department of the Foundation.
Ongoing research of nervous tissues

